

BOX CD 2673 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Louis B. ROSENBERG et al.

RECEIVED

Serial No.:

10/043,374

Examiner:

Unassigned

OCT 0 8 2004

Confirmation No.: 7355

Art Unit:

2673

Technology Center 2600

Filed:

January 8, 2002

For:

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Attorney Docket No.: IMMR-077/06US Application Serial No. 10/043,374 Page 2

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Dated: October 4, 2004

Cooley Godward LLP ATTN: Patent Group One Freedom Square Reston Town Center 11951 Freedom Drive Reston, VA 20190-5656 Tel: (703) 456-8000

Fax: (703) 456-8100

219893 v1/RE 4P_501!.DOC Respectfully submitted, COOLEY GODWARD LLP

By:

Erik B. Milch Reg. No. 42,887

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

	Complete if Known	
Application Number	10/043,374	RECE
Filing Date	January 8, 2002	ILOL
First Named Inventor	Louis B. Rosenberg	0CT 0 8
Art Unit	2673	001-00
Examiner Name	Unassigned	Technology Cer
Attorney Docket Number	IMMR077/06US	Gormology Gel

U.S. PATENT DOCUMENTS						
Examiner	Cite No.1	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		6,422,941	7/23/2002	Thorner et al.		
		6,160,489	12/12/2000	Perry et al.		
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or	Pages, Columns, Lines,	
		Country Code ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Passag	Where Relevant Passages or Relevant Figures Appear
		JP	H2-185278		7/19/1990	Taito Corporation	
		JP	H4-8381		1/13/1992	Epoch Co. and Key- Planning Co.	
		JP	H7-24147		1/27/1995	Sega Corporation	
		JP	H5-192449		8/3/1993	Taito Corporation	
						,	

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Substitute for form 1449A/PTO		Complete if Known		
		Application Number	10/043,374	_
INFORMATION DISC	CLOSURE	Filing Date	January 8, 2002	
STATEMENT BY AP	PLICANT	First Named Inventor	Louis B. Rosenberg	FIN
		Art Unit	2673	- I
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Sheet 2 of 3	3	Attorney Docket Number	IMMR077/06US Technology	
			Technology	<u>centel</u>

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		PATRICK, "Design, Construction, and Testing of a Fingertip Tactile Display for Interaction with Virtual and Remote Environments," <i>Master of Science Thesis</i> , MIT, Aug. 1990, archived Nov. 8, 1990.					
		CALDER, "Design of A Force-Feedback Touch-Introducing Actuator For Teleoperator Robot Control," <i>Bachelor of Science Thesis</i> , MIT, May 1983, archived June 23, 1983.					
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		BLISS, "Optical-to-Tactile Image Conversion for the Blind," <i>IEEE Transactions on Man-Machine Systems</i> , Vol. MMS-11, No. 1, March 1970.					
		JOHNSON, "Shape-Memory Alloy Tactile Feedback Actuator," Armstrong Aerospace Medical Research Laboratory, AAMRL-TR-90-039, August, 1990.					
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		PIMENTEL et al., "Virtual Reality: through the new looking glass," 2 nd Edition; McGraw-Hill, ISBN 0-07-050167-X, pp. 41-202, 1994.					
		"Cyberman Technical Specification," Logitech Cyberman SWIFT Supplement to Logitech Mouse Technical Reference and Programming Guide, 4/5/1994.					
	OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Realific Environment," <i>Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics</i> '95, Seoul, Korea, 21-24 August 1995.						
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		LAKE, "Cyberman from Logitech," at http://www.ibiblio.org/GameBytes/issue21/greviews/cyberman.html, 1994.					
		"Component Maintenance Manual With Illustrated Parts List, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 28 January 2002 (3 pages).					
Examiner		Date					

Examiner	Date	
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Substitute 449A/PTO						
				Application Number	10/043,374	
INF	ORMATION	N DIS	CLOSURE	Filing Date	January 8, 2002	77-0-1
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Louis B. Rosenberg	RECEIVED
				Art Unit	2673	
	(use as many sl	heets as	necessary)	Examiner Name	Unassigned	OCT 0 8 2004
Sheet	3	of	3	Attorney Docket Number	IMMR077/06US	Technologi Center 2600

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
		"Technical Manual Overhaul Instructions With Parts Breakdown, Coaxial Control Shaker Part No. C-25502," Safe Flight Instrument Corporation, Revised 15 July 1980 (23 pages).				
		SCANNELL, "Taking a Joystick Ride," Computer Currents, Boston Edition, Vol. 9, No. 11, November 1994				
		ROSENBERG, "Virtual Fixtures: Perceptual Overlays Enhance Operator Performance In Telepresence Tasks," Ph.D. Dissertation, Stanford University, June 1994.				

Examiner	Date	
Signature	 Considered	

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